

THE UNIVERSITY OF ROCHESTER

A Brief History of its Organization and Description of its Buildings and Courses.

FOUR-YEAR SCHOLARSHIP AS A SPECIAL REWARD

What The Tribune Offers in Its Great Educational Contest—One of the Successful Contestants Will Have Tuition and Incidental Expenses Paid in the University of Rochester for Four Years—The University's Fine Campus and Many Beautiful Buildings—Extensive Laboratory Facilities—How the Contest Now Stands—Today Will Close the First Month—The Contestant Who Has the Largest Number of Points to His or Her Credit by Five O'clock This Evening Will Receive a Gold Watch—This Is Entirely Additional to the Main Contest Which Closes Oct. 25—Now Is a Good Time to Begin.

IN THE TRIBUNE'S great Educational Contest there are many very attractive prizes offered, and one of the most important of these is the University of Rochester. A contract has been signed with the university to furnish some young man, to be designated by The Tribune, with tuition and incidental expenses for four years, and this scholarship is to be presented to some one of the contestants in this great contest, which still has five months to run.

The student designated by The Tribune will have the privilege of selecting any regular four-year course in the university, and The Tribune will pay his tuition and incidental charges for four years, amounting in all to \$224. He will only be required to pass the regular examinations, just the same as any other student, and, like other students, must maintain an average standing of not less than 80 per cent.

The description which is published herewith will no doubt be read with a great deal of interest by the contestants in The Tribune's contest, as it gives some idea of the magnitude of what is offered for the work of spare hours during the next few months.

UNIVERSITY OF ROCHESTER.

Its Organization and History.

The University of Rochester opened its doors for students in the autumn of 1850, and gave instruction in that year to seventy-one young men by means of a faculty of eight professors and instructors. Its first class of ten men was graduated in July, 1851. The idea of establishing a college in Rochester

equally with the men. It is the purpose of the college to maintain for young men all the advantages which were offered them prior to 1900, while extending its ministrations to a new class of students, for whom it will aim to secure the fullest opportunity for self-development in connection with the educational privileges they share in common with the men.

The Buildings and Grounds.

The University occupies a campus of twenty-four acres, situated in one of the most desirable parts of the city, on the line of an electric railway connecting with other lines radiating in every direction. The grounds constitute a beautiful private park, affording ample accommodations for every kind of field sport.

Anderson Hall, the oldest of the buildings, was completed in 1861. In it are the chapel, lecture room, the physical and biological laboratories, and professors' offices.

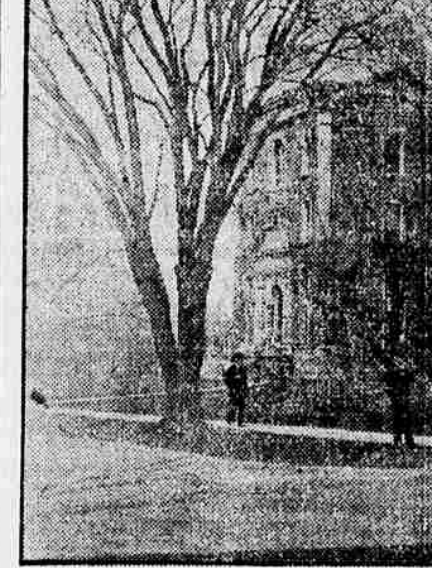
Sibley Hall, erected in 1872 by Hiram Sibley, contains the library, the museums and the geological lecture room and laboratory.

The Reynolds Memorial Laboratory was built in 1886 for the department of chemistry by Mortimer F. Reynolds as a memorial to his brother, William A. Reynolds, a trustee of the university.

The Alumni Gymnasium, a new building provided by the liberality of the alumni, was opened for use in 1900. It is fully equipped with apparatus and baths, including a swimming pool, furnishing every facility for physical training.

Library Facilities.

The library is located in the building provided for it by the Hon. Hiram Sibley.



Sibley Hall—The Library.

of Rochester. It contains, according to the last annual report, 37,262 volumes, in addition to several thousand pamphlets belonging to the Rochester Academy of Science. Provision is made for the increase of the library by a fund established by the late General John F. Rathbone, of Albany, for many years a vice-president of the trustees.

The Reynolds Library was established through the generosity of M. F. Reynolds, as a free reference and circulating library for the citizens of Rochester. It contains more than 45,000 volumes and is especially valuable on account of the possession of a large number of standard works of reference. It has complete sets of nearly all the best American and English periodicals. Its resources are constantly made use of by the students of the college for the investigation of subjects connected with their courses of study.

The Central Library, which is under the control of the Board of Education of the city, contains about 40,000 volumes. Among the works of this library, which are especially valuable as aids to collegiate study, are those contained in the departments of ancient and modern history, biography, general science and English literature.

The Law Library of the Court of Appeals contains about 25,000 volumes. This library is next to the largest public law library in the state of New York. While it is intended to meet the special needs of the legal profession, it contains many works which are useful to general students in history and political science.

There are thus accessible to the students of the college in the libraries in the city of Rochester nearly 150,000 volumes.

The Laboratories. The Department of Chemistry occupies the Reynolds Memorial Laboratory, which was specially planned to combine the best possible facilities for chemical work. All the rooms are spacious and well lighted. In the basement are the



The Campus.

The main library is shelved in stacks separated from the main hall by a railing, and access to these books is granted on application to the attendant at the charging desk. The reference books are arranged on shelves immediately accessible to all readers. The central portions of the main hall are filled with reading tables and constitute a spacious and well-lighted reading room.

In the centre of this reading room the current periodicals are filed. The librarian gives instruction to all new students in the use of books and the consultation of this library.

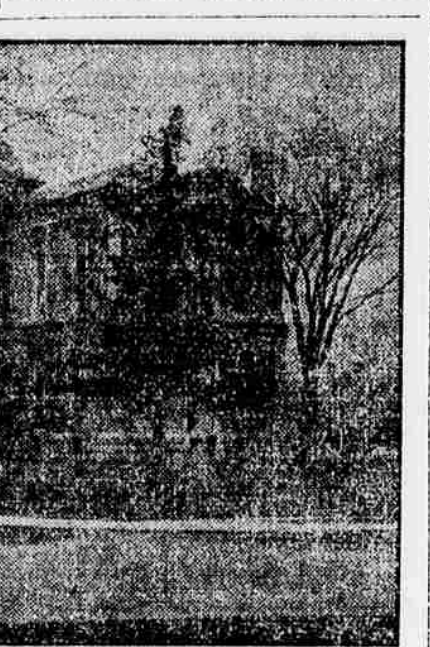
The reading room, with the privilege of consulting any books possessed by the library, is opened to the general public in accordance with the wish of Mr. Sibley, the donor of the building.



Anderson Hall.

The withdrawal of books, for home use, however, is necessarily restricted to members of the college. The library hours are from 8.30 a. m. to 5.30 p. m. daily throughout the year, excepting Sundays and legal holidays.

The library of the Rochester Theological Seminary contains about 31,000



Reynolds Chemical Laboratory.

laboratory, and a work room where reagents, anatomical material, etc., may be prepared. This suite of laboratories furnishes accommodations for sixty students working at one time.

The General Laboratory will seat thirty students and is provided with the apparatus needed for the various lines of work, including microscopes, Abbe camera lucida, Thoma and Minot microtomes, paraffine baths, injecting apparatus, incubating oven, glassware, etc.; also a very complete set of the reagents and stains used in histology and embryology. For the work in physiology there has been provided a series of elastic models (Auzoux), including a manikin, heart, eye, ear, brain, lungs, etc.; also a human skeleton and a number of osteological preparations, such as a skull entire, a skull disarticulated (Beauchene), a vertebral column, thoracic and lower limbs. A collection of skeletons, illustrating all of the classes of vertebrates and nearly all of the orders of mammals, serves for work in comparative osteology. A complete set of Ziegler's wax models of the development of Amphioxus and of the chick illustrate the work in embryology.

Numerous standard scientific maps, charts and a department library facilitate the work of instruction.

The Bacteriological Laboratory adjoins that of General Biology on the third floor of Anderson Hall. It occupies two rooms and furnishes accommodations for six students working together. It is provided with gas and water, and with the apparatus and reagents necessary for the practical study of bacteria, including steam and hot air sterilizers, autoclave, incubating ovens, chemical glassware, a very complete set of stains, paraffine and water baths, microtomes and microscopes.

Completely equipped for bacteriological work, among them a large Zeiss stand with apochromatic objectives and compensating eyepieces, etc. Facilities for making inoculation experiments will be provided. A departmental library is shelved in one of the rooms.

The Botanical Laboratory was opened in the autumn of 1900. Its windows open to the south, east and west, thus insuring good light at all hours of the day. There is ample room for eighteen students at a time, besides preparation tables, lockers and apparatus cases. A departmental library is shelved in the laboratory. A very full collection of laboratory material is provided for work in general morphology and students in advanced morphology are provided with microtomes, paraffine oven and all necessary reagents. The laboratory has a full equipment of apparatus for work in plant physiology.

The Physical Laboratory—The Department of Physics occupies seven rooms upon two floors and in the basement of Anderson Hall. They are furnished with gas, water, vacuum and pressure pipes, and power by means of electric motors. The second floor contains the general laboratory, a room devoted to optics and photography, including dark rooms and the instructor's office. On the first floor, convenient to the apparatus cases, is the lecture room, furnished with gas, water and electric current at the lecture table, pressure and vacuum pipes, and a stone pier, offering opportunity for mounting the more sensitive instruments of precision. Conveniently placed are light projection lanterns, of value in the work of illustration and demonstration. In the basement is the shop, furnished with power and equipped with machinery and tools essential in the construction and repair of apparatus.

The Dynamometer Laboratory, also in the basement, is supplied with stone pier for mounting galvanometers, and is equipped with the essential apparatus for the experimental work of electrical machinery. A complete system of wiring leading to a central switchboard renders the current from dynamo and storage batteries available in every room. Adjacent is a room designed for investigation. It is the policy of the college to offer to the student every facility for advancement in the science of physics, and in conformity with this policy such standard instruments as are required by students interested in special lines of investigation are added to the department as needed.

A telescope, mounted equatorially on a stone pier, is located in a building erected for that purpose. This instrument, which was made by Clark, has a six-inch object glass, and is provided with right ascension and declination circles. It is designed only as an adjunct to instruction, though sufficiently powerful for purposes of investigation.

The Department of Geology occupies the second floor of Sibley Hall. The main hall is devoted to the geological museum. The laboratory is temporarily located in the geological lecture room in the tower, adjacent and convenient to the museum and cabinets. Facilities are provided for the studies of minerals and rocks in their physical properties. A large collection of lantern views, photographs and proofs illustrates physical and structural geology. Material is at hand for special work in paleontology and in phenomenal and economic geology.

Museums and Cabinets.

The Ward Geological Collections—The

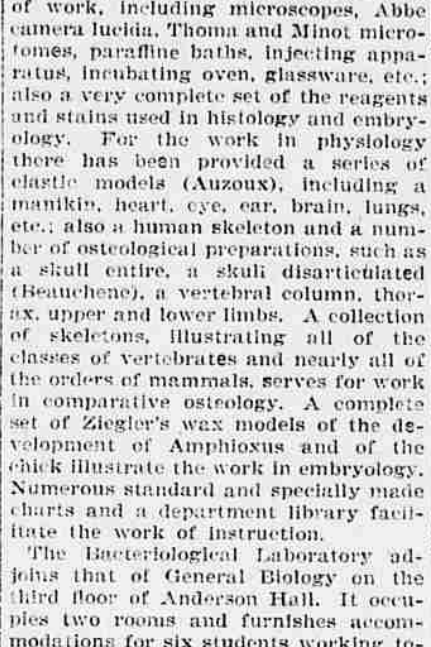
chemical cabinet, the optical room, photographic laboratory and wardrobe. The Biological Laboratories—The Department of Biology occupies seven rooms on the third floor of Anderson Hall. These rooms are well lighted and ventilated and are provided with gas and water. They comprise a large lecture room and general laboratory, a bacteriological laboratory, a botanical



Geological Museum.

geological museum consists chiefly of the original collections in mineralogy, petrography, paleontology and phenomenal geology made by Prof. Henry A. Ward. They were accumulated by him through many years of labor and extensive travel in execution of a plan to create a complete museum of geology for use in teaching. The material thus successfully gathered was purchased in

1862 for the college, chiefly through the generosity of the citizens of Rochester. At that time it was the largest and choicest geological collection in America, including about 40,000 specimens, handsomely mounted and labelled. The Ward collections have been supplemented by gifts from various classes



Geological Museum.

and individuals and by subsequent purchases, and the college has today one of the best geological museums in the country.

The systematic collection in mineralogy contains a great majority of the mineral species now recognized. These are represented by about 5,000 choice specimens. The specimens are largely from European localities. Crystallography and economic and phenomenal geology are illustrated by special collections.

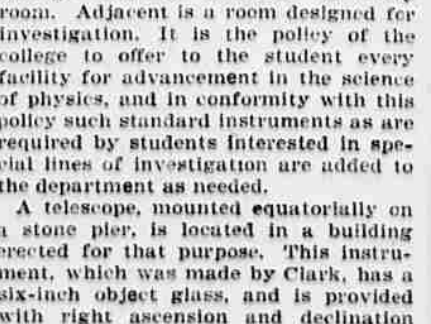
The collection of rocks, about 2,000 in number, was collected by Professor Ward from the localities where specific rocks were first described. In addition to the specimens exhibited in the cases there are in the drawers special collections representing the geology of characteristic regions; among these are 150 specimens from Vesuvius, 180 from Tuscany, 190 from Mt. Blanc, 120 from the Farall Islands, 80 from Saxony, 250 from central France, and several hundred collected by the State Geological Survey, representing the New York strata.

The Zoological Collection, on the third floor of Sibley Hall, was established during 1890, the nucleus being the material already possessed by the college, and the vertebrates gathered by Prof. Henry A. Ward during a South American journey in 1889.

Courses of Study for Bachelor's Degrees.

Three courses of study, each extending through four years, are open to students of this college: The Classical Course, leading to the degree of Bachelor of Arts; the Philosophical Course, leading to the degree of Bachelor of Philosophy; and the Scientific Course, leading to the degree of Bachelor of Science. These undergraduate courses aim to furnish a liberal education, by means of work which shall fit the students for further pursuit of special study should they choose to enter any of the learned professions. The courses seek to give that breadth of culture which is secured by the completion of prescribed work with a large freedom of election of studies.

The college aims to furnish a liberal education rather than to train specialists. It is widely acknowledged that a general culture offers the best basis of



The Plunge.

broad knowledge and discipline on which to build a thorough special training. The curriculum is so arranged, however, that students who wish to do so may gain the bachelor's degrees by the election of many studies which contribute directly to their later professional work.

A Teacher's Training Department, approved by the Superintendent of Public Instruction of the state of New York, has been established in the college for the benefit of those who desire to fit themselves for teaching in the public schools. Students who, upon graduation, have completed the courses prescribed for this depart-

ment, are entitled to receive the College Graduate Professional Certificate without examination.

Expenses.

The university has no dormitories. Several of the chapter houses of the Greek-letter fraternities, however, are located close to the campus. These furnish accommodations for many of their members. Students also find comfortable homes with families residing within a few minutes' walk of the university, in the most attractive quarter of the city. The janitor will furnish all necessary information respecting rooms and boarding.

A limited number of students are given the opportunity of paying for their tuition by means of services in the library or in the laboratories or in other departments of the college. A large number of students find profitable employment in the city in teaching private pupils, and in various other occupations, thus enabling them to provide, in considerable part, for the expenses of their education. Students who have practical acquaintance with any of the useful arts are generally able to procure remunerative employment in the city.

The Tribune's Offer.

The Tribune offers one scholarship in the University of Rochester good for the period of four years, to the young man who by virtue of his position at the close of the contest is entitled to the choice of it. This scholarship covers the expenses of tuition for the full four years and incidental expenses, which includes the gymnasium fee.

CLOSING DAY OF THE FIRST MONTH

Oscar H. Kipp, of Elmhurst, a New Contestant, Starts Well Up in the List.

Today closes the first month of The Tribune's Educational Contest, and the contestant who scores the most points

will receive a gold watch as a "special honor prize." This will have no effect upon his chances in the main contest, which has nearly five months yet to run, and will not prevent his trying for the other "special honor prizes" which are to be offered each month as soon as they are announced.

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